(b) Guidelines for computerisation taking due consideration of employment implications have been issued by the Government from time to time. Formulation of further guidelines in this regard are under active consideration.

Indo-UK co-operation in Defence Research and Development

1161. SHRI DHULESHWAR MEENA: Will the PRIME MINISTER be pleased to state:

(a) whether India and Britain Have entered into an agreement for co-operation in defence research and development; and

(b) if so, what are the broad outlines thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (SHRI ARUN SINGH): (a) No, Sir.

(b), Does not arise.

Awareness among public for consumer electronic products

1162. SHRI KAILASH PATI MISHRA:

SHRI SHANKER SINH VAGHELA:

SHRI ASHWANI KUMAR:

Will the PRIME MINISTER be pleased to state:

(a) the dates, titles and names of programmes scheduled to be arranged by Doordarshan to create awareness among public for consumer electronic products including T.V.; and

(b) the names of branches of Super Bazar, Consumer Co-operative Stores, army canteens who have started, selling economy model T.V.'s and actual number of such T.V. sets sold through each till date?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI SHIVRAJ PATIL): (a) Doordarshan is planning to produce a programme to create public awareness about electronic goods in the market,

(b) Super Bazar has decided in principle to sell TVs including economy model ones, to start with through their main branches at Connaught Place, INA and Patel Nagar. They hope to introduce th© TVs in Super Bazar in the near future.

The Canteen Stores Department have to collect this information from the various depots situated all over India and it will take time. The information will be collected and provided.

Colour T.V.

1163. SHRIMATI ILA~ BHATTACHARYA: , Will the PRIME MINISTER be pleased to state:

(a) how far the efforts of Government have succeeded in progressively indigenising the colour TV with some vital components manufactured by the Bharat Electronics Limited; and

(b) whether these components manufactured by the Bharat Electronics Limited are of international standard?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI SHIVRAJ PATIL): (a) The Key components used in CTVs are picture tubes, deflection components EHTs, tuners, SMPS power supply, ICs and semiconductors which together contribute over 80 per cent in terms of value of the components used in CTV. At present virtually all these components are being imported except some of the ICs which are being assembled by Bharat Electronics

Limited (BEL). BEL has also recently commenced production of SAW Alters and crystals used in a CTV. Other general purpose components like capacitors, resistors, switches,, loudspeakers are being produced locally and most of these are incorporated in the CTV design released by BEL recently. The manufacture of deflection components, EHTs, tuners, SMPS po\ve$_r$ supply and delay lines are likely to commence in 1986. It is expected that the manufacture of CPT$_S$ will also commence in 1987-88.

(b) The components manufactured by BEL namely, SAW filters, crystals, transistors and ICs are upto international standards.

Production cost of colour T.Vg in India

1164. DR. H. P. SHARMA:

SHRIMATI MAIMOONA SULTAN:

Will the PRIME MINISTER be pleased to state:

{a) whether there is a scheme t» indigenise and bring down the cost ot production of colour TV set$_s$ in India;

(b) if so, what are the details thereof; and

(c) what is the present indigenous contents and cost of production of medium size colour TV set$_s$ in respect of variou$_s$ standard colour T.Vs manufactured in India?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, .ELECTRONICS AND SPACE (SHRI SHIVRAJ PATIL): (a) and (b) Government have taken several steps to bring down the price of colour TV *sets*. These include:

(i). Issuing industrial" "approvals liberally, without any upper limit on capacities ?o that economically viable level of production could be achieved and competition encouraged;

(ii) Reducing Government levies like custom$_s$ duty on imported raw materials/components, reduction in excise duty etc.;

(iii) A high power TV Coordination Committee under the Chairmanship of Secretary, Department of Electronics i$_s$ functioning with representation from Indian TV Manufacturers Association (ITMA), to review and monitor the production of TV sets.

(iv) Electronics Trade & Technology Development Corporation (ET&T), a public secto undertaking under the Department of Electronics under their 'Material Technology Brand Name' (MTB), programme is providing help to industry to produce quality products at reasonable cost by supplying material procured by them in bulk along with neeessary technology.

As regards indigenisation, it may be mentioned that the key components in a colour TV are the picture tubes, deflection components, tuners, delay lines, SMPS power supply,, Integrated Circuits and semiconductors which together contribute over 80 per cent of the cost of components purpose components like resistors, purpose components like resistors capacitors, switches, loudspeakers are being produced locally, though somu upgradation of these will be required. Based on the current approvals, the production of Colour TV picture tubes is likely to commence in 1987; Deflection Components, Tuners, SMPS Power Supply & Delay Lines by 1986; and majority of the Integrated Ciruits and Semiconductors by 1987. It is, therefore, hoped that by 1988 virtually, all the components used in a colour TV receiver will be indigenised.